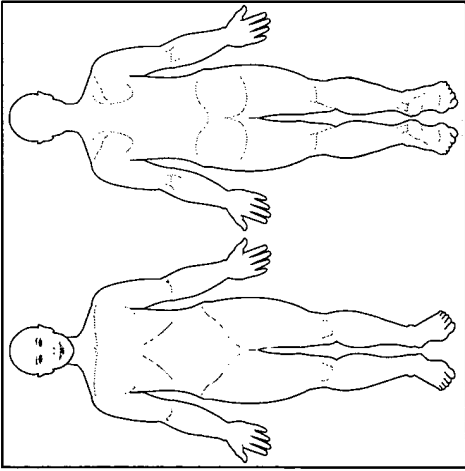


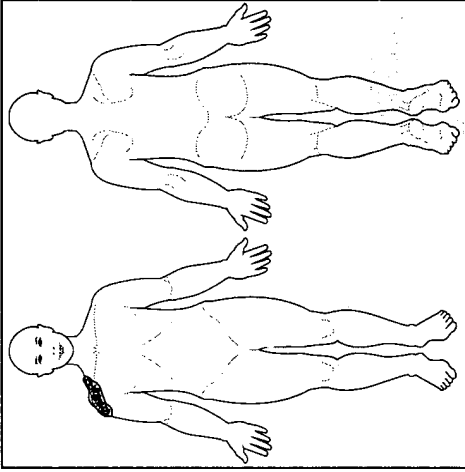
Fig. 1

Fig 2 a



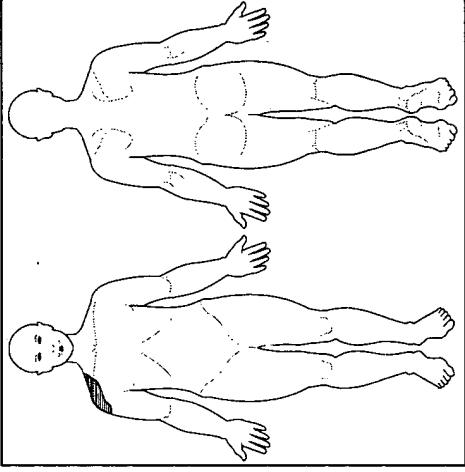
Unmarked Pain Diagram

Fig 2 b



Pain Diagram with Pain Markings

Fig 2 c



Pain Diagram with Computer-Identified Pain Shape

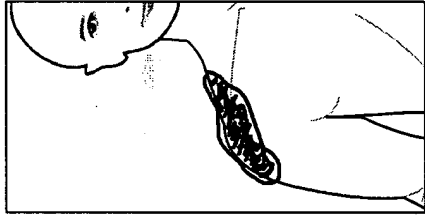


Fig. 2 d

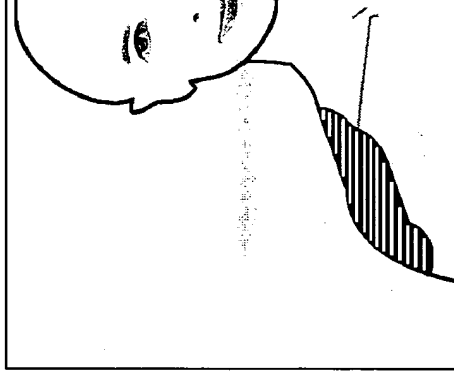


Fig. 2 e

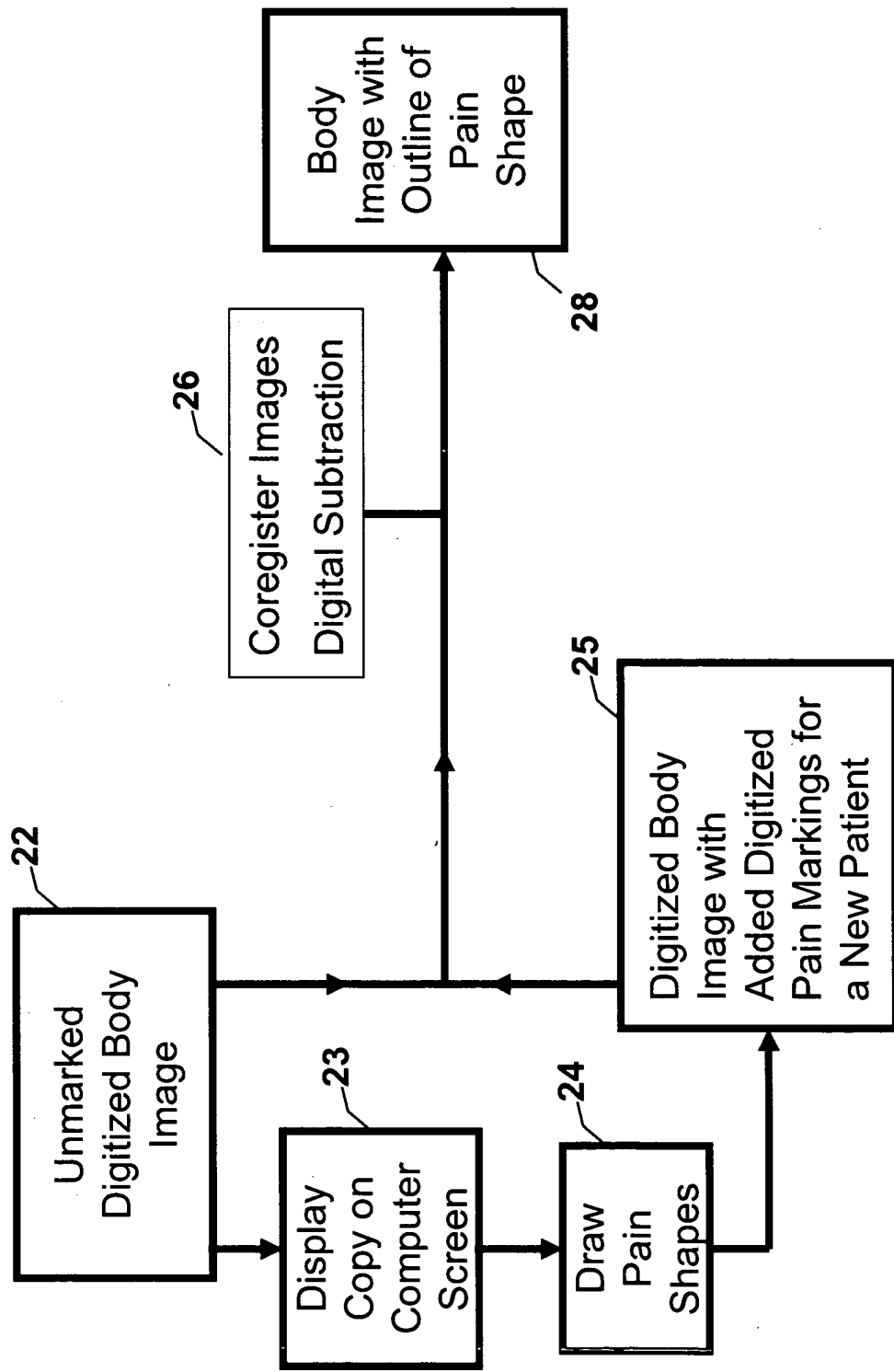


Fig. 3

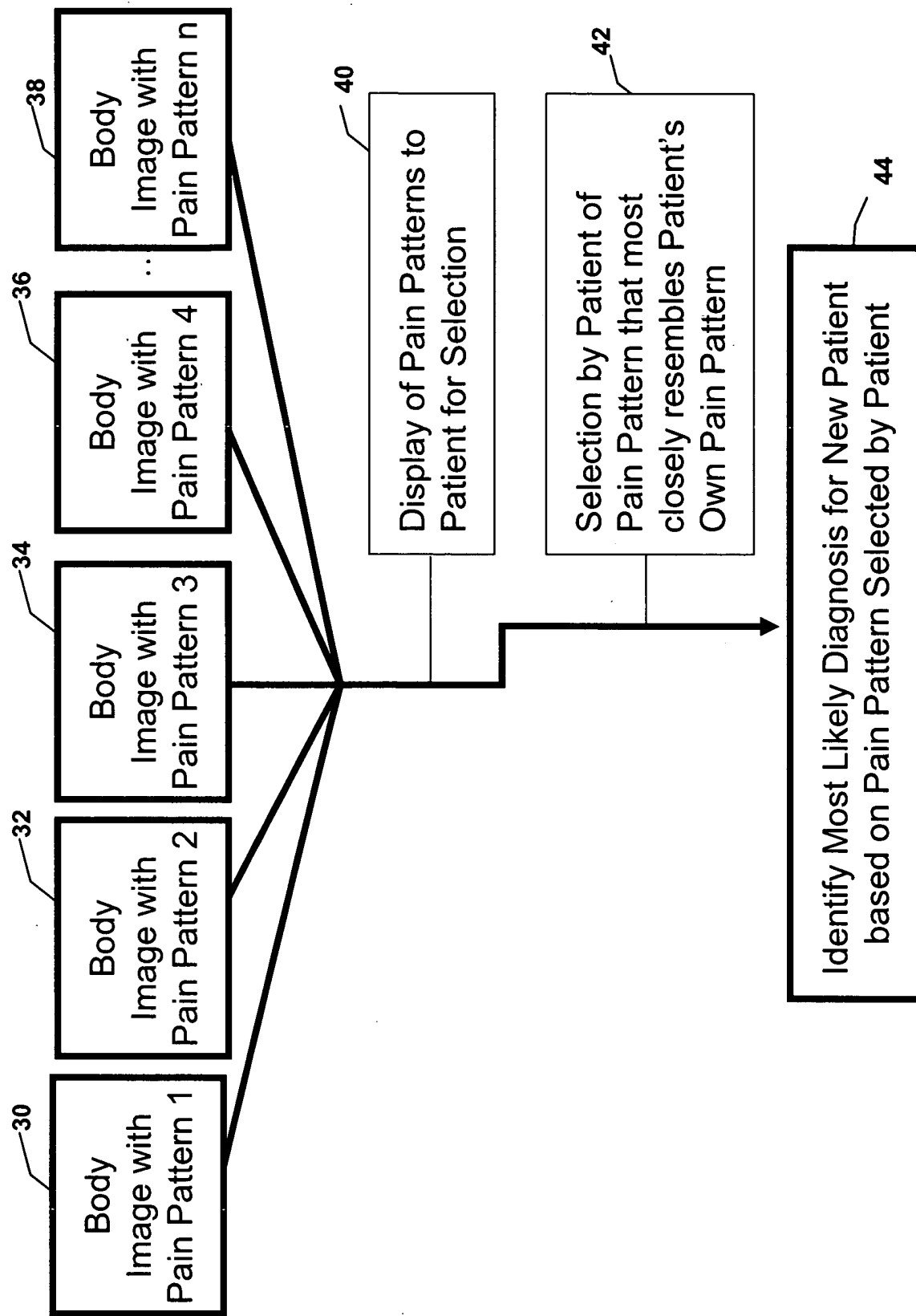
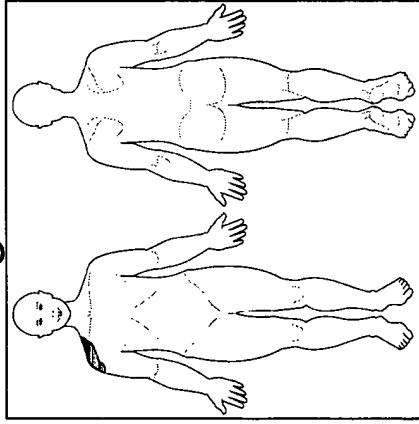


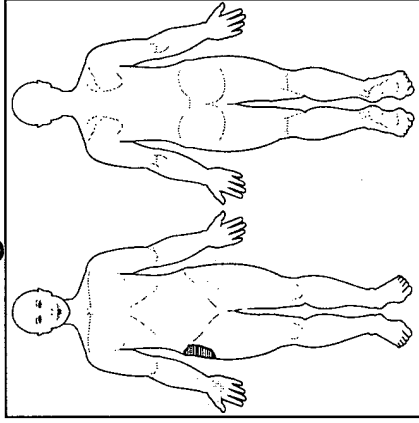
Fig. 4

Fig. 5 a



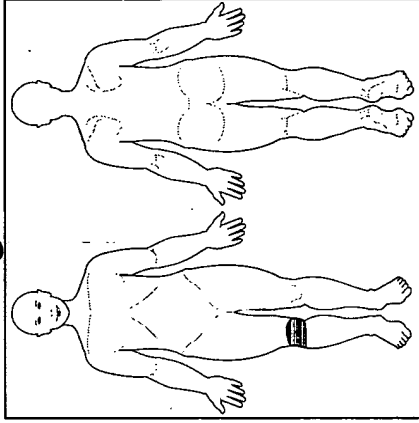
Pain Pattern 1

Fig. 5 b



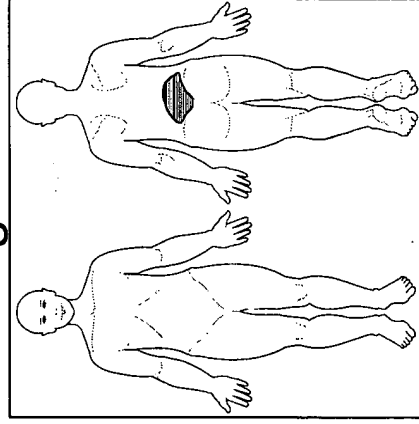
Pain Pattern 2

Fig. 5 c



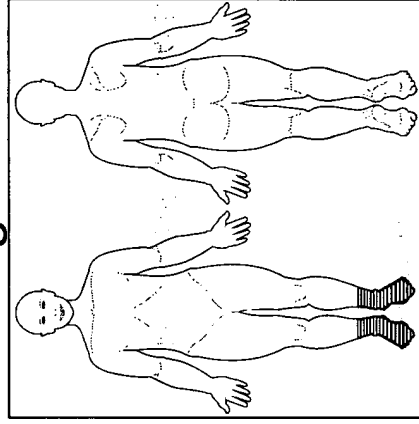
Pain Pattern 3

Fig. 5 d



Pain Pattern 4

Fig. 5 e



Pain Pattern n

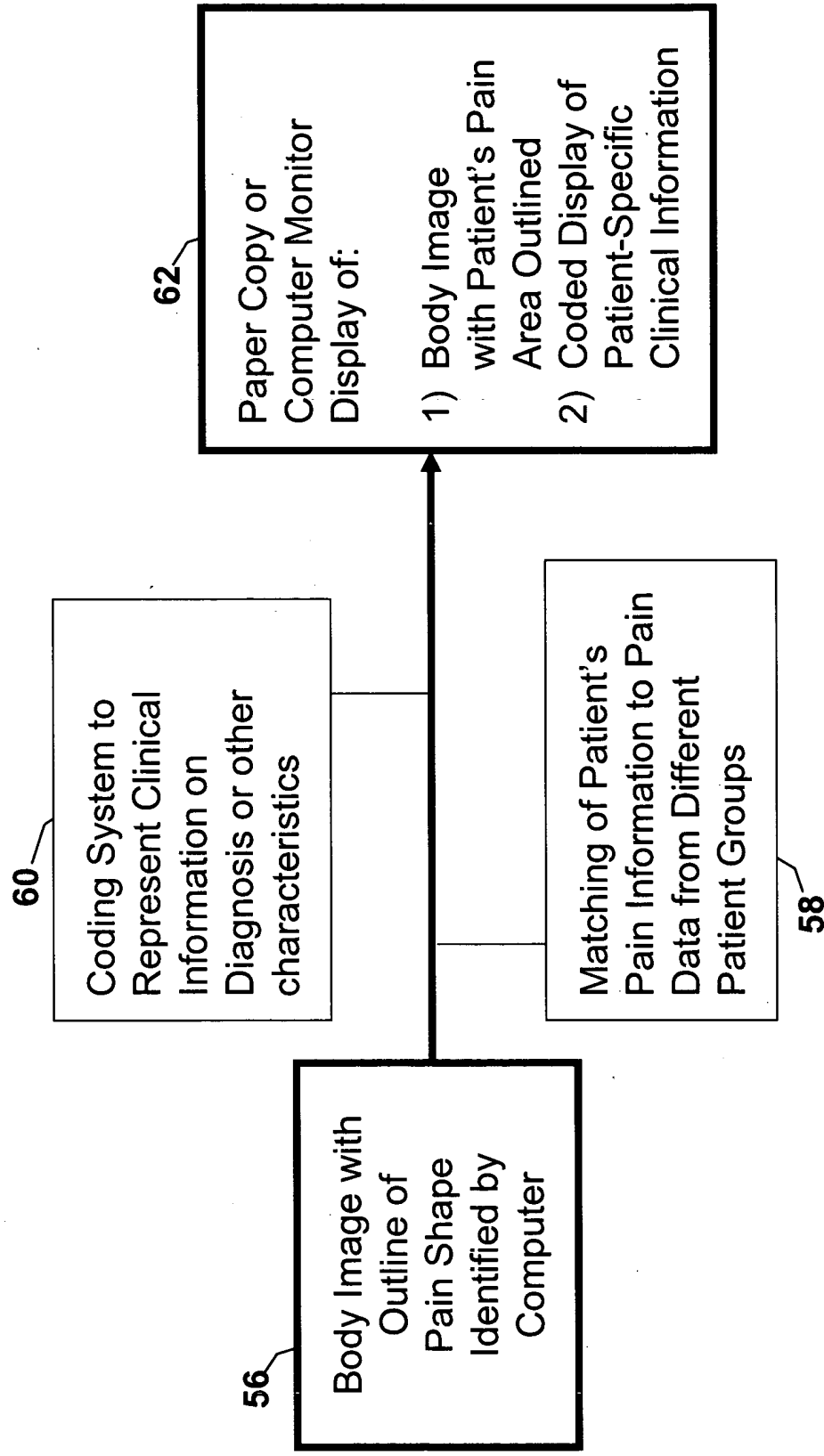


Fig. 6

Patient: John Doe

Diagnosis:

Degenerative Disease of Lumbo-Sacral
Spine with Associated Sciatica in
Distribution of S1 Nerve Root

Low Back Pain
in L5/S1 Area

Sciatica in S1
Distribution

Clinical Details:

54 year old Male. Intermittent Low
Back Pain for 10 years. Recent
episode began 4 weeks ago with
back pain (3/5 severity) and
left-sided sciatica (5/5). Gradually
improving with bed rest and
NSAIDs.

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Fig. 7

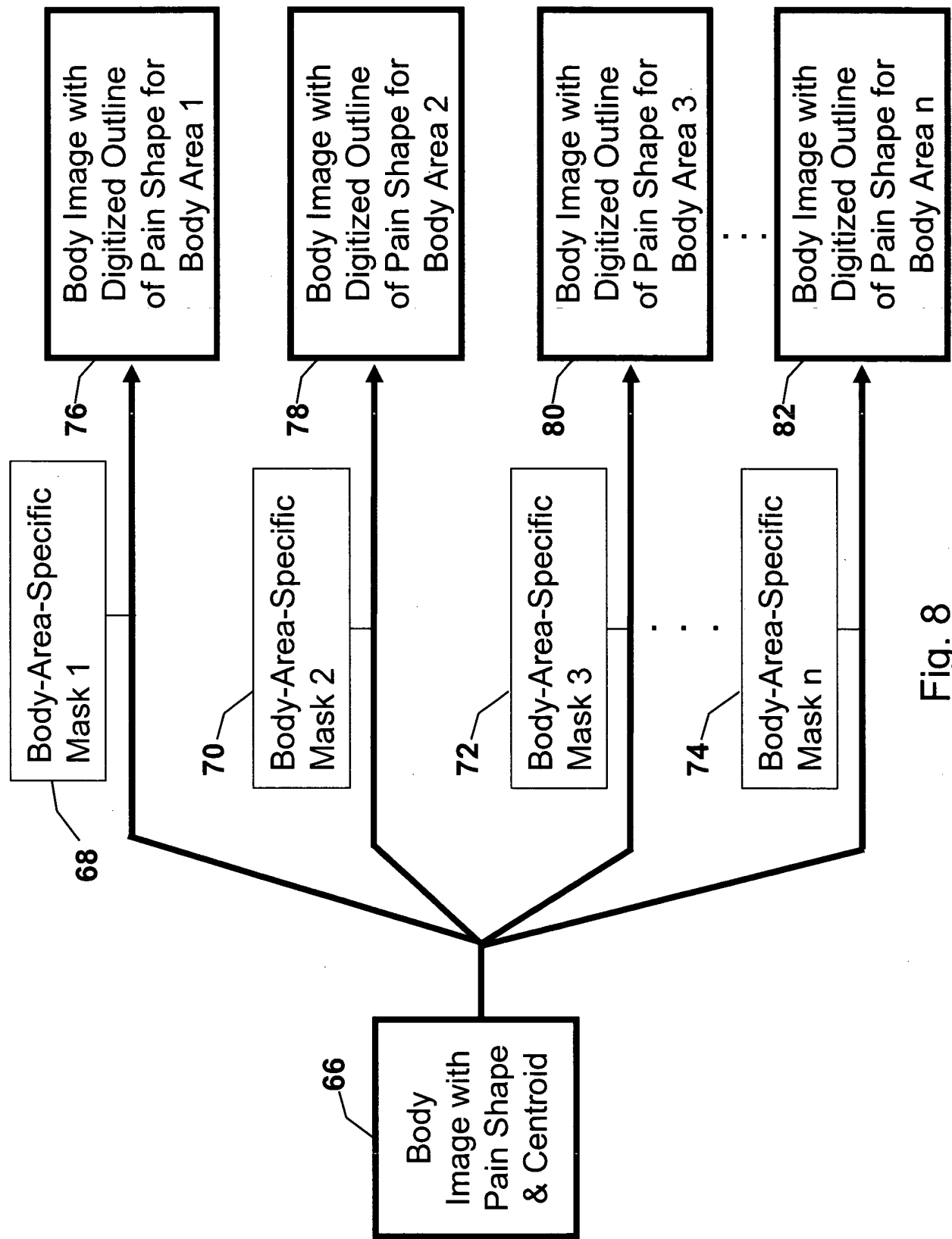
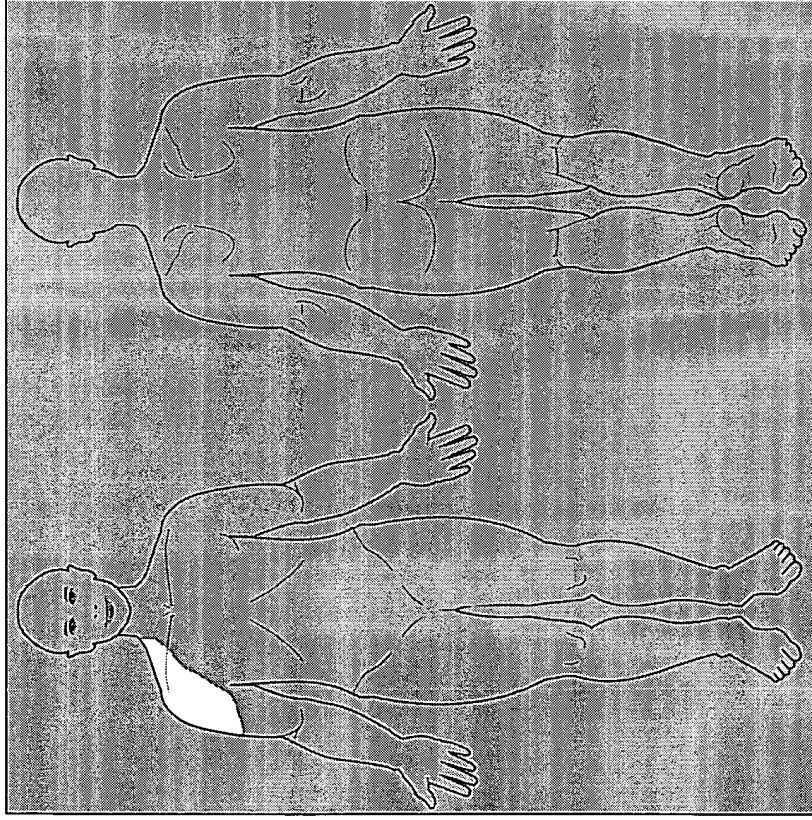


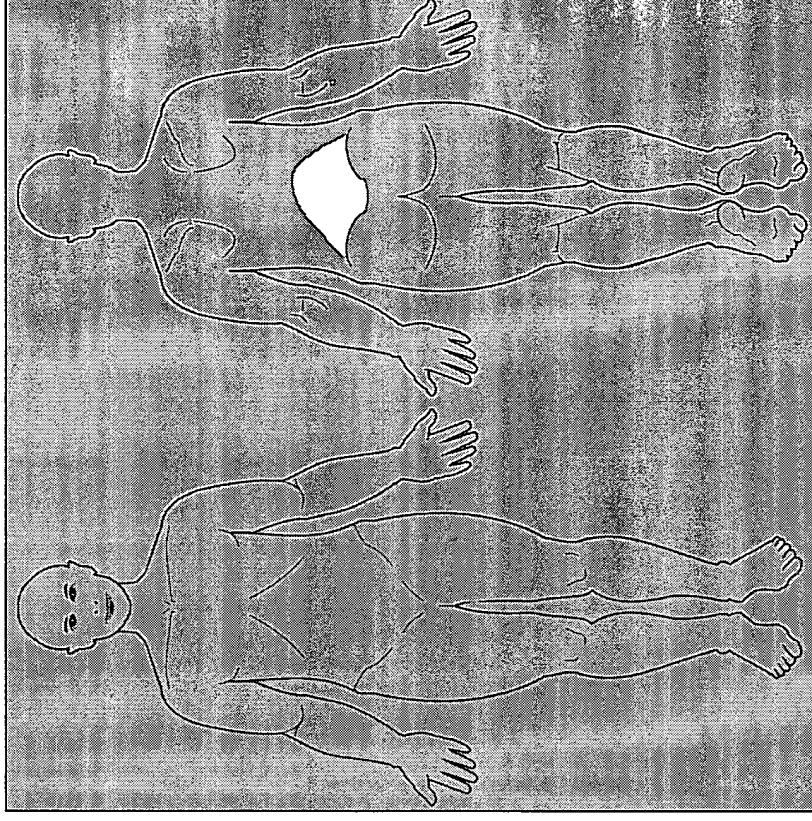
Fig. 8

Fig. 9 a



Centroid Mask – Right
Anterior Shoulder

Fig. 9 b



Centroid Mask –
Lower Back

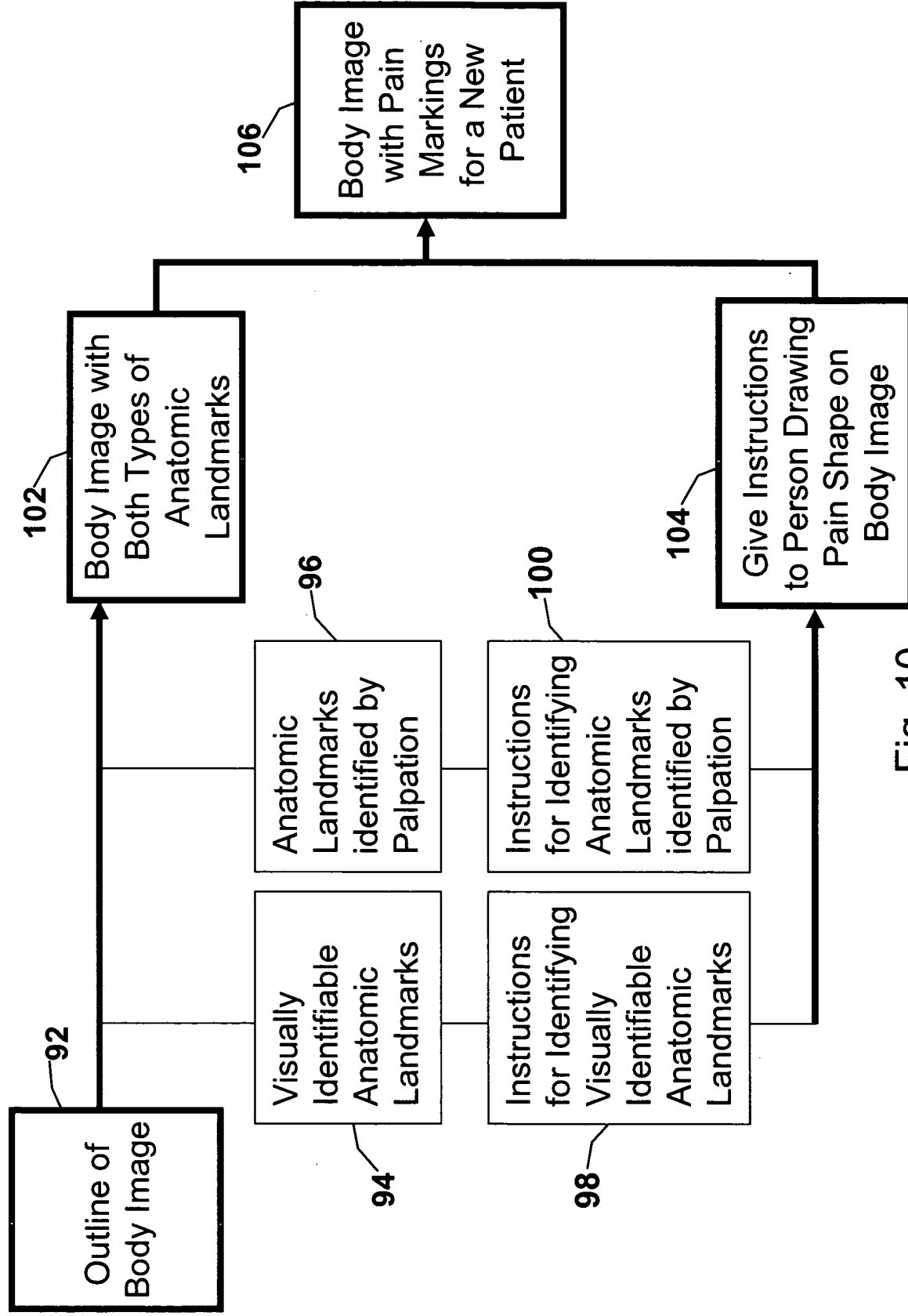


Fig. 10

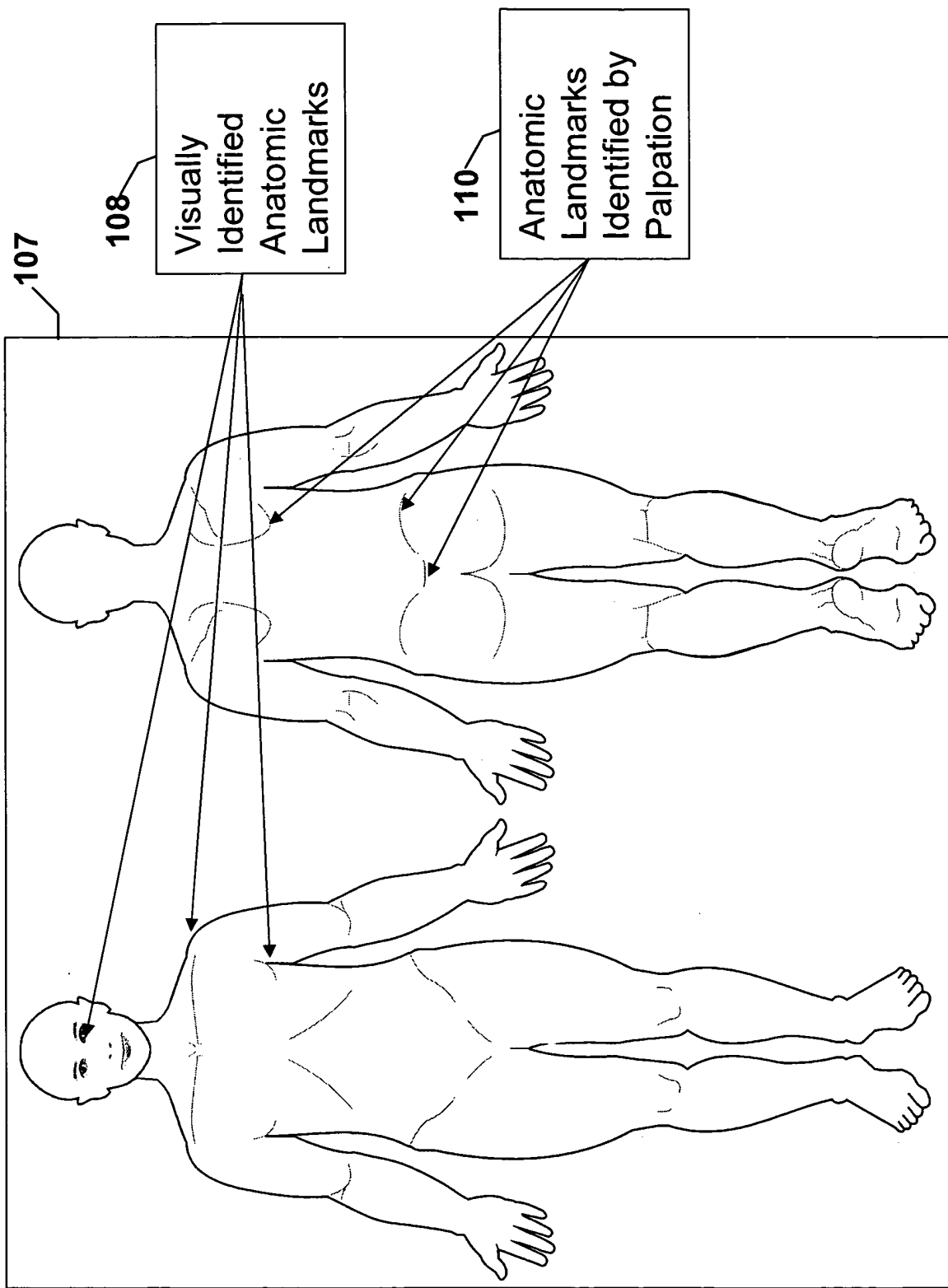
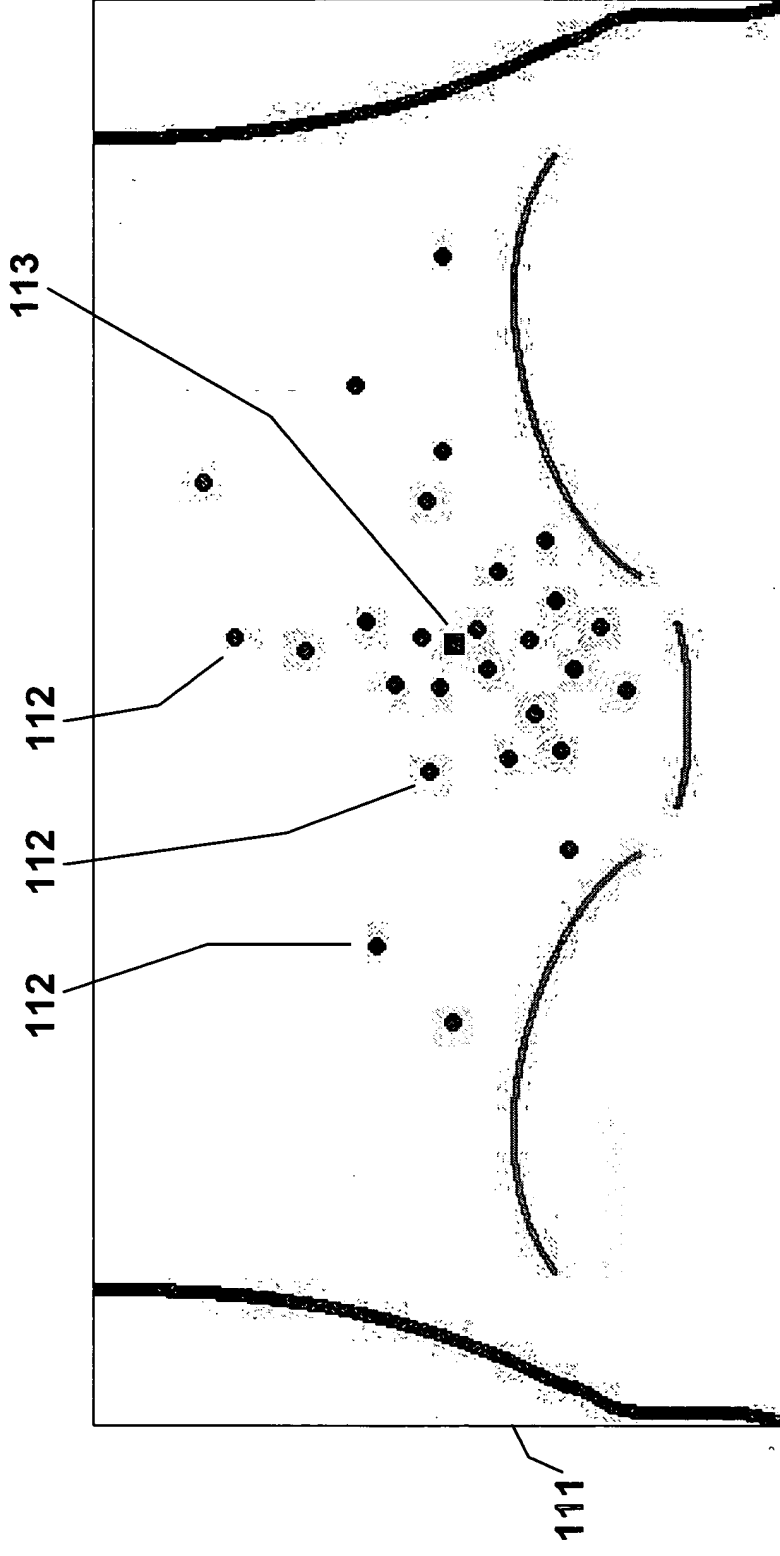


Fig. 11



**Close-Up of Lower Back Area showing
individual pain centroids (closed circles) and
the un-weighted meta-centroid (closed square)**

Fig. 12

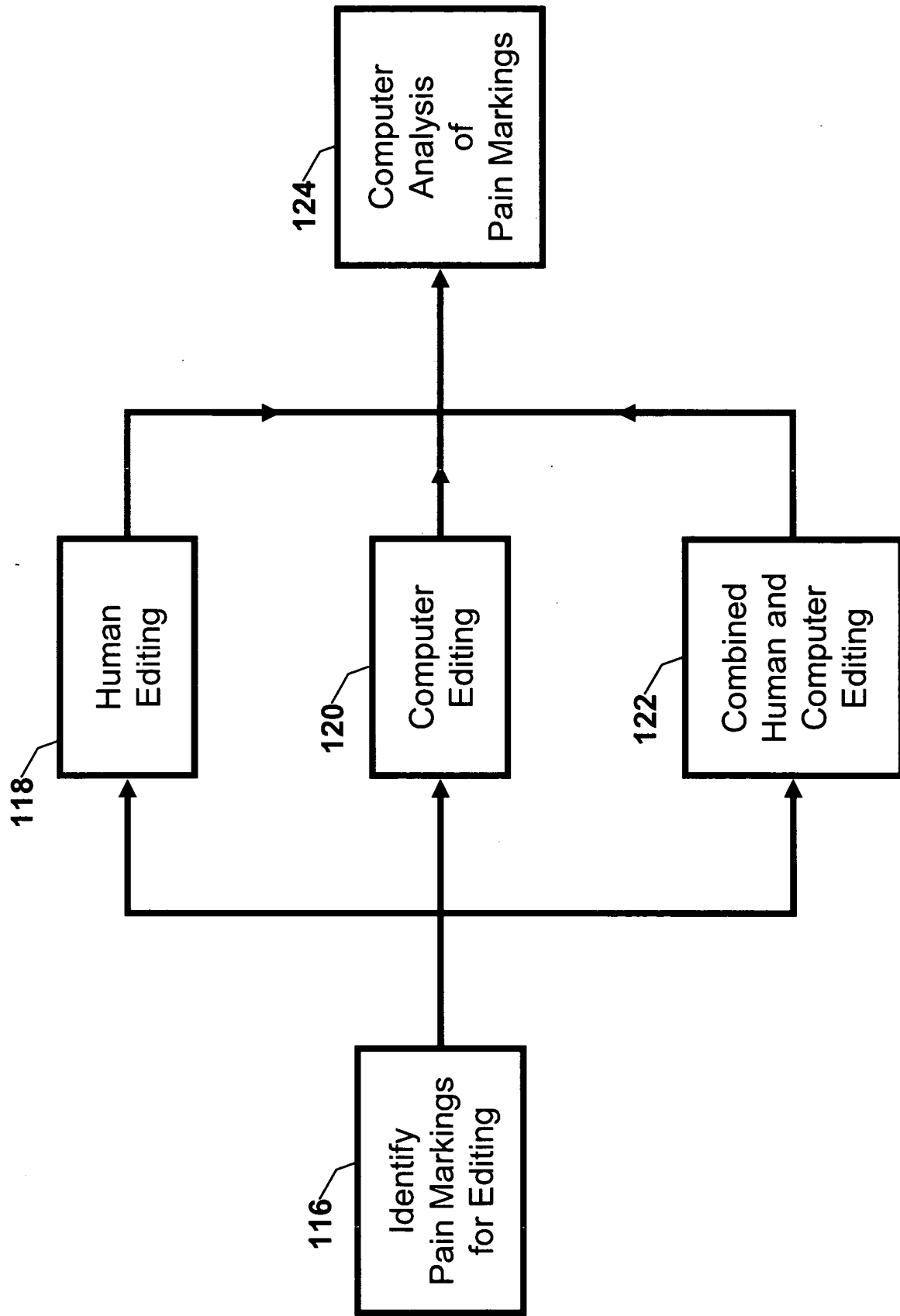
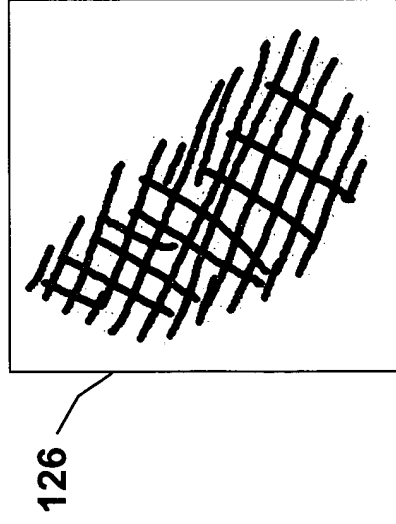
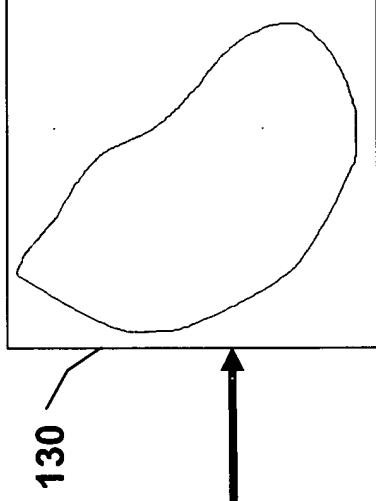


Fig. 13

Fig. 14a

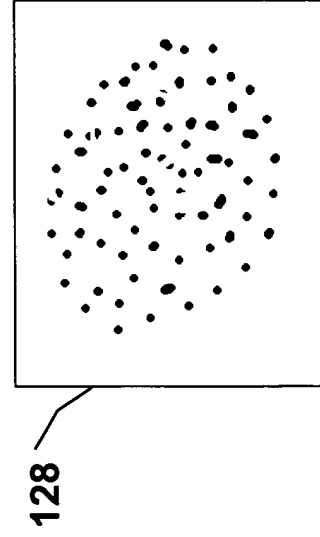


Pre-Edited Hatched
Pain Shape

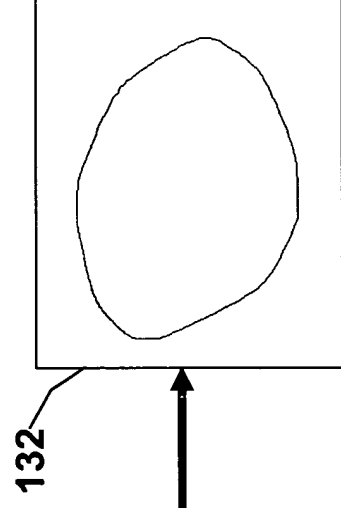


Edited Hatched
Pain Shape Showing
Pain Outline

Fig. 14b



Pre-Edited Stippled
Pain Shape



Edited Stippled Pain
Shape Showing Pain
Outline

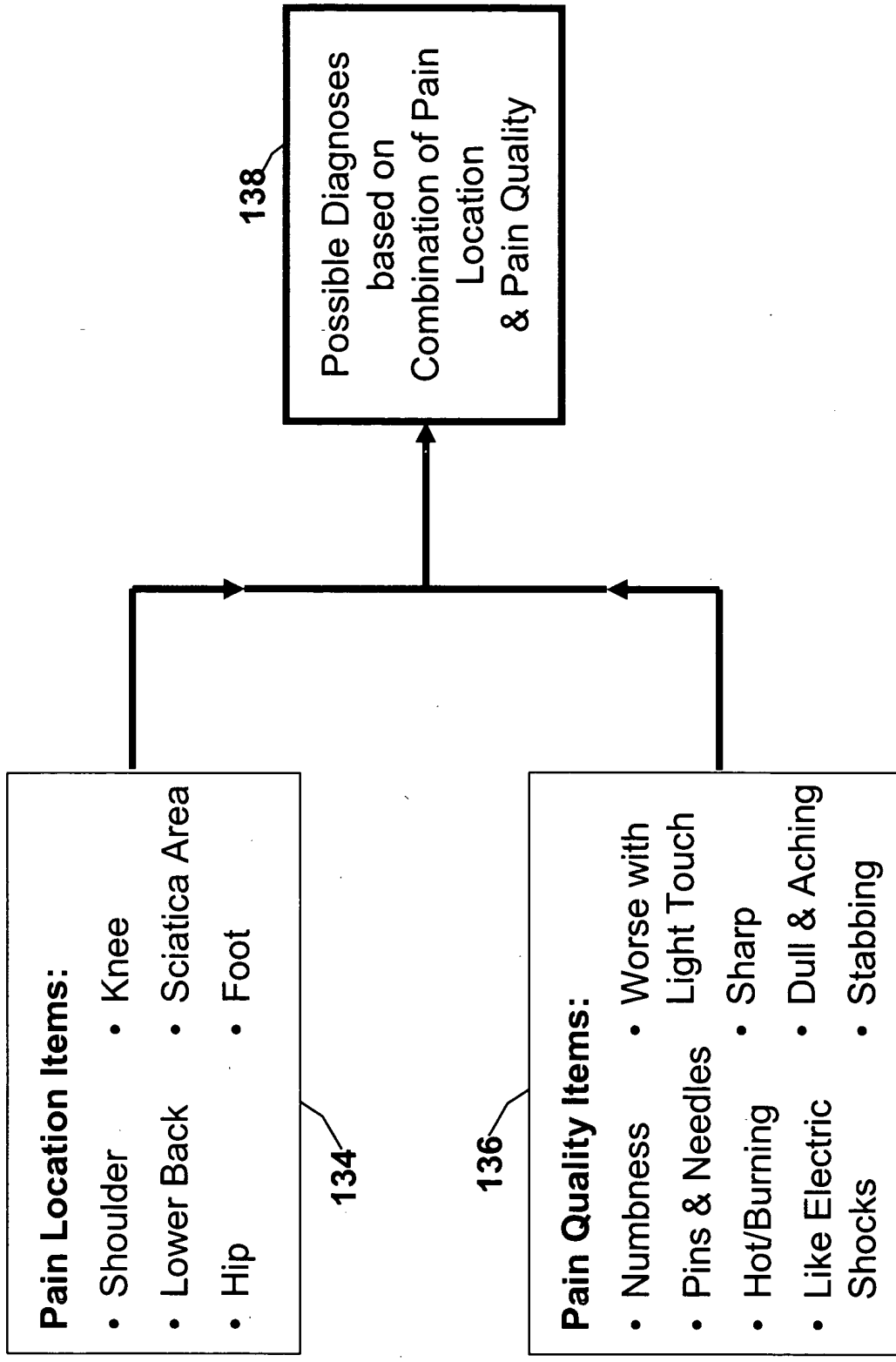


Fig. 15

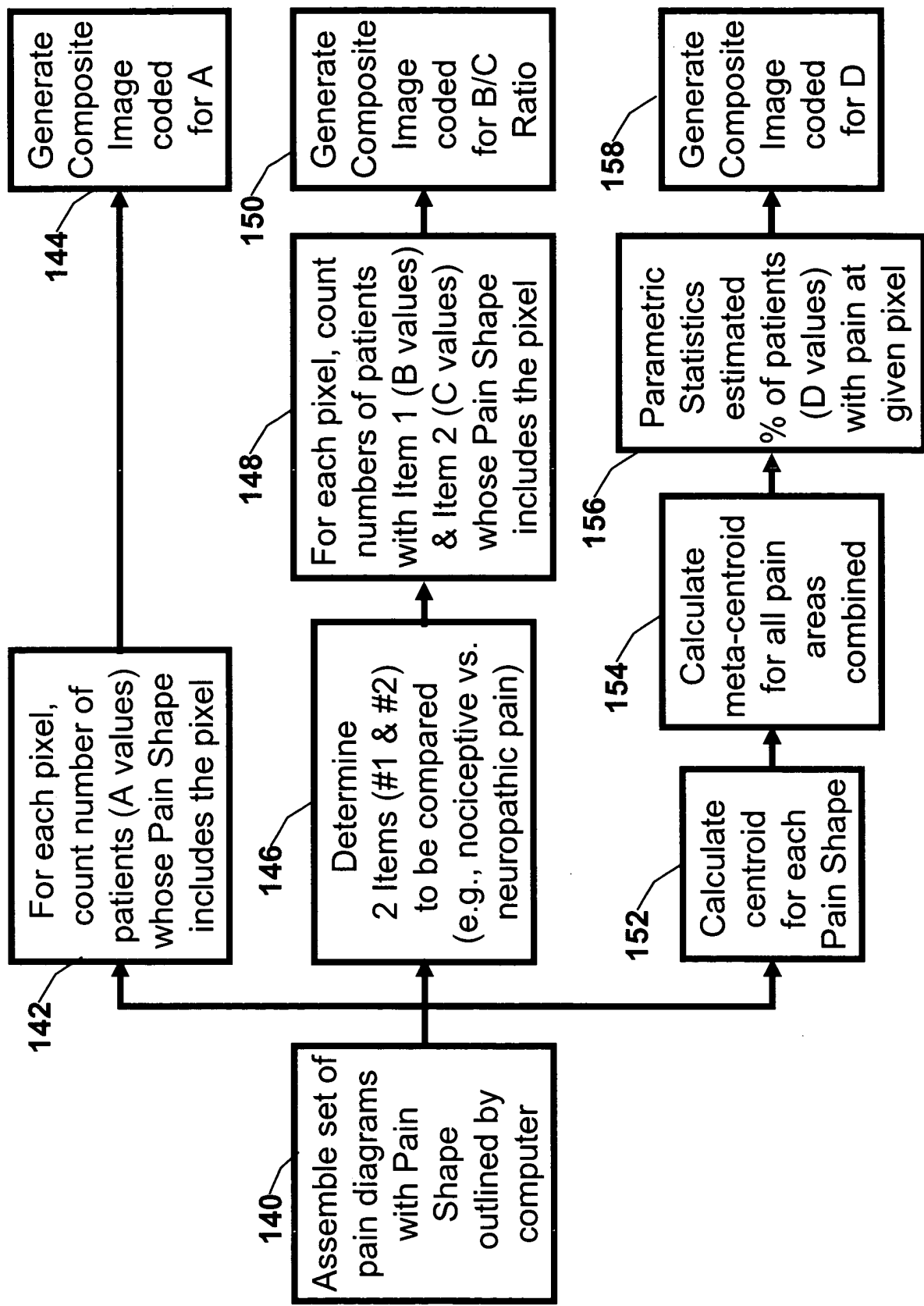
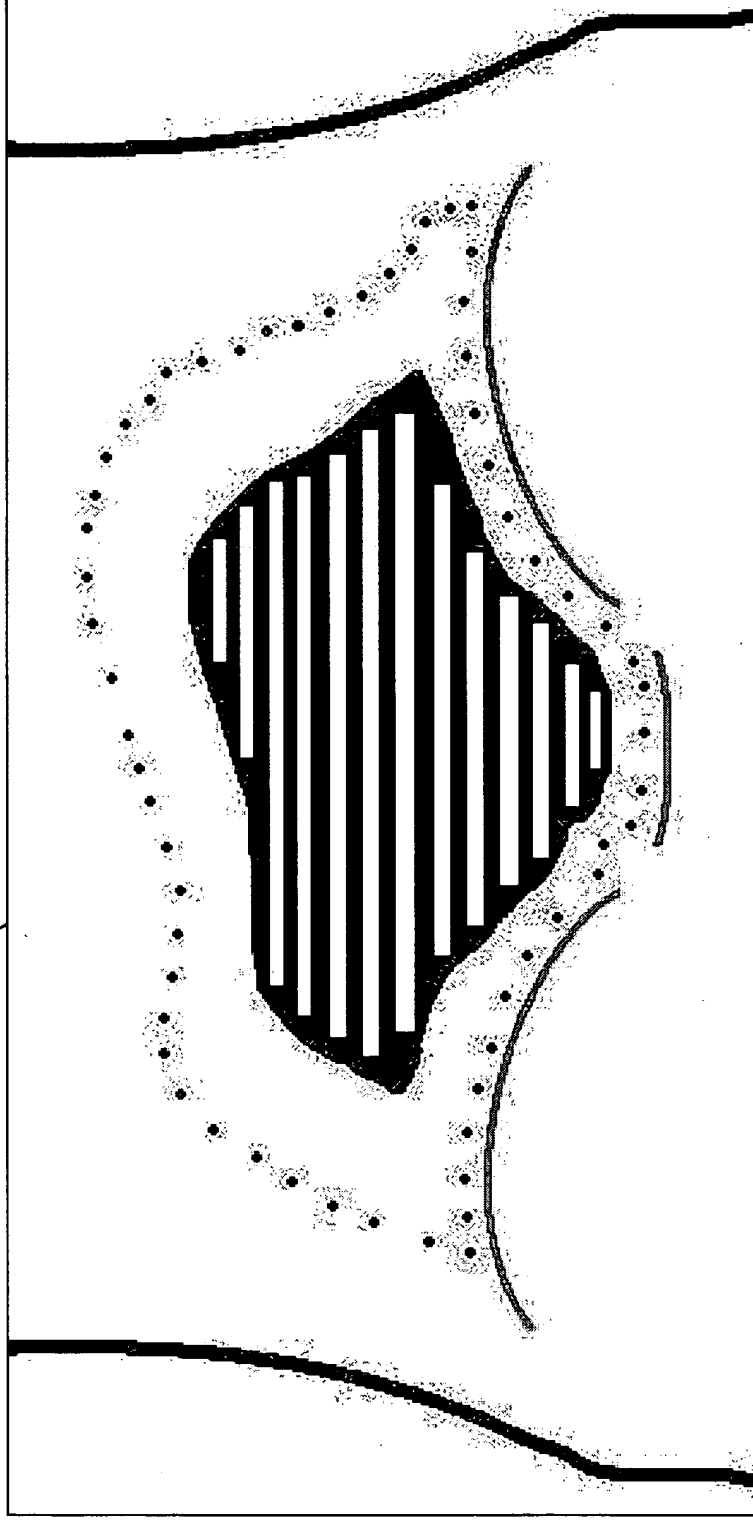


Fig. 16



Composite Figure of Pain Shapes from Lower Back

Striped Central Area encompasses approximately 50% of Pain Shape Outlines.

Dotted Outline encompasses approximately 80% of Pain Shape Outlines.

Fig. 17

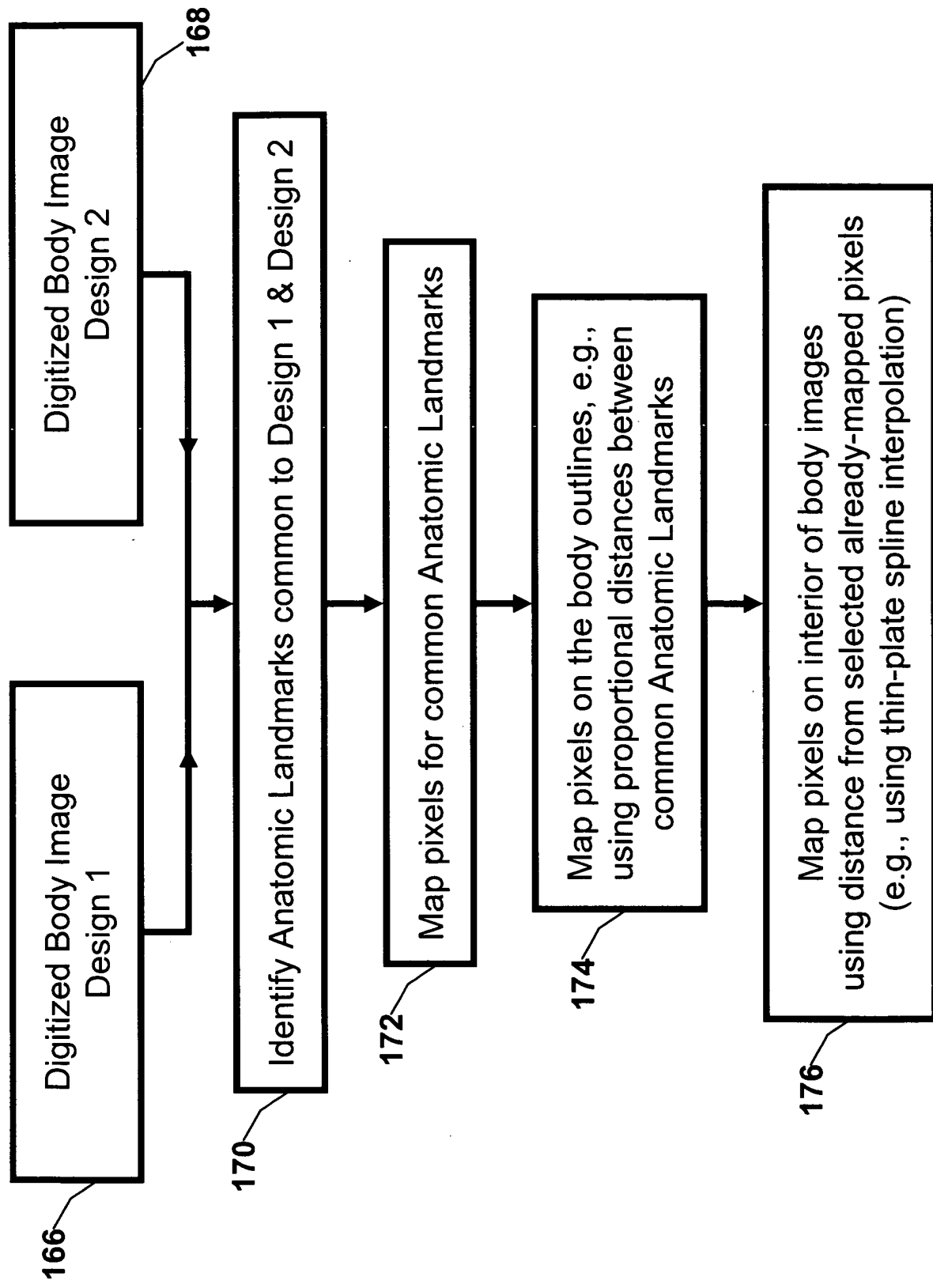


Fig. 18

Examples of Mapped Landmarks

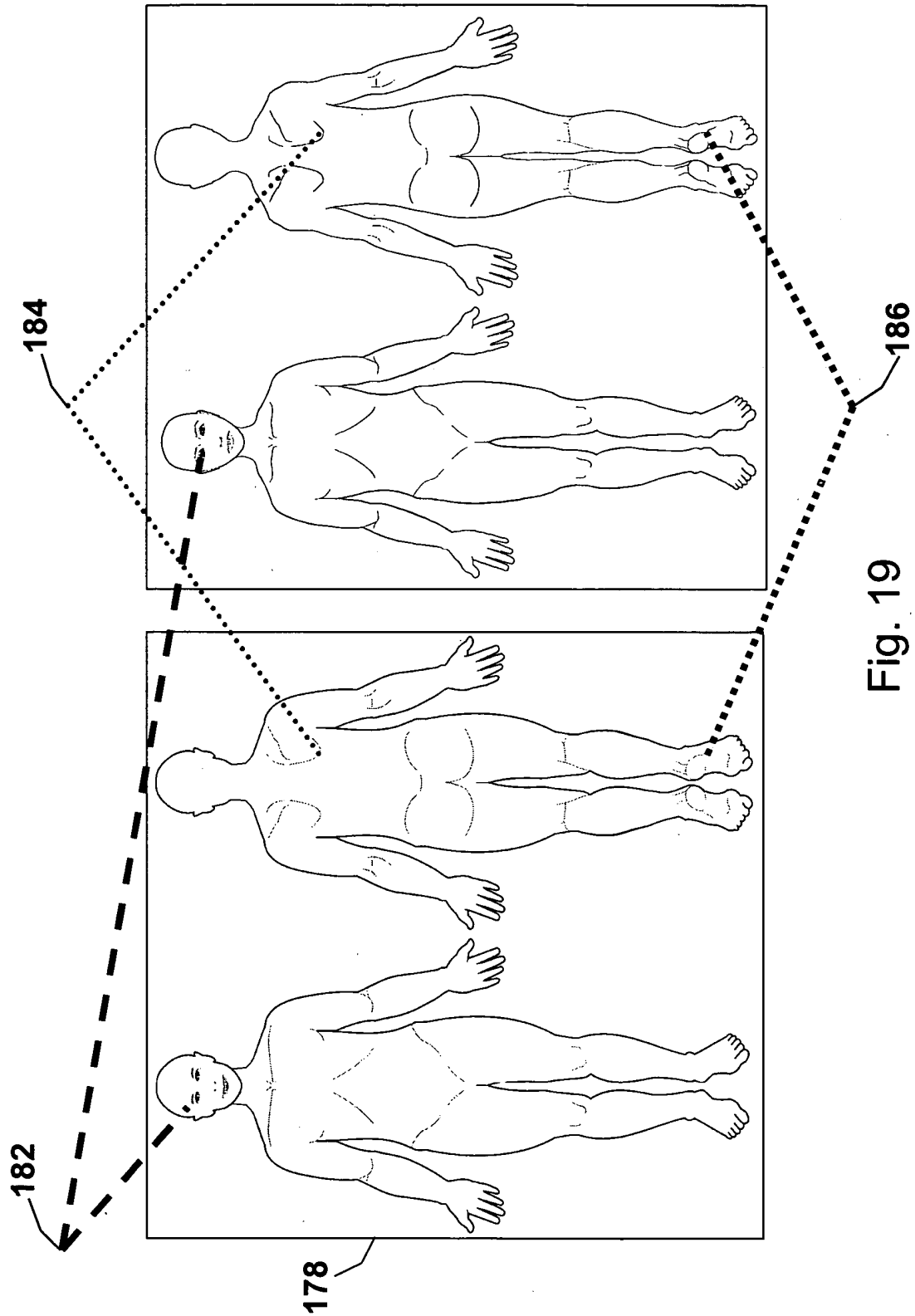


Fig. 19

Examples of the Many Body Image Designs Used in Evaluation of Pain

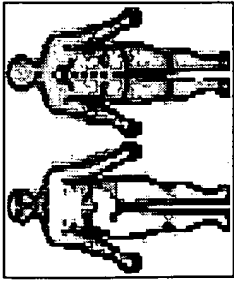


Fig. 20 a

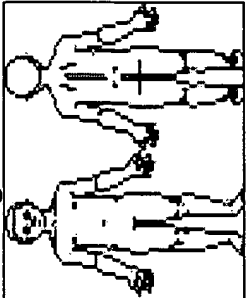


Fig. 20 e

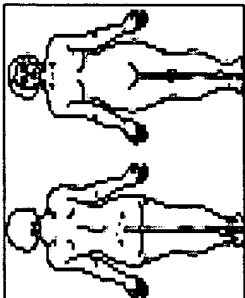


Fig. 20 i

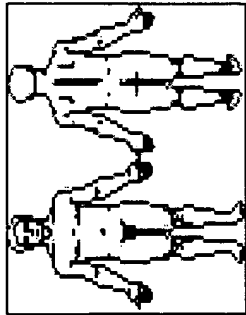


Fig. 20 m

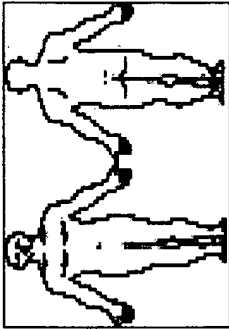


Fig. 20 b

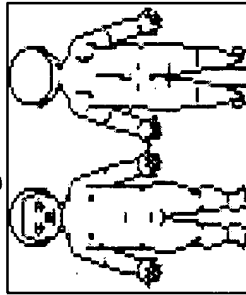


Fig. 20 f

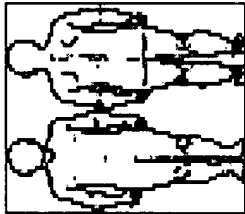


Fig. 20 j

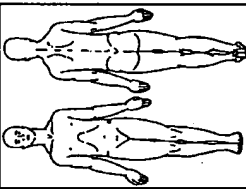


Fig. 20 n

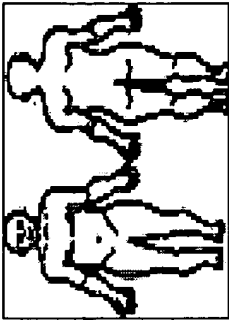


Fig. 20 c



Fig. 20 g

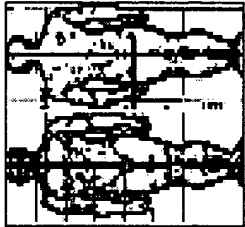


Fig. 20 k

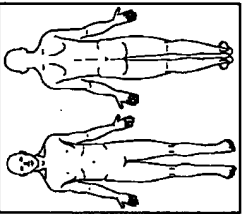


Fig. 20 o

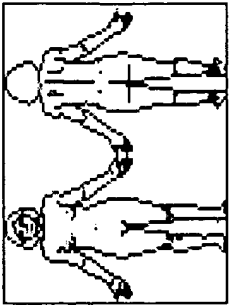


Fig. 20 d

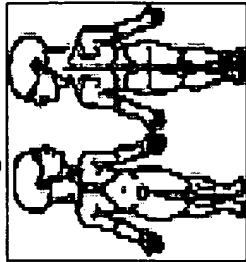


Fig. 20 h

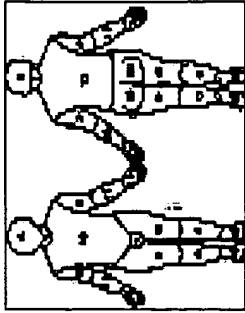


Fig. 20 l